

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

500.34521CC3

SERIAL NO.

10/782,779

APPLICANT

H. OWASHI, et al

FILING DATE

February 23, 2004

GROUP



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
						YES	NO

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	T. Yoshimura, et al "Special Issue, 3-4 MPEG Systems" in "Image Information Engineering and Broadcasting Technology", Journal of Institute of Television Engineers of Japan, vol. 49, No. 4, pp. 480-489, April 20, 1995.

EXAMINER /Mitiku Debelie/

DATE CONSIDERED

08/28/2007

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/M.D./	0	7	0	0	7	6	8	4	01/95	Japan			X	
/M.D./	0	5	2	7	4	8	4	4	10/93	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	T. Kimura, et al "Conditional Access Systems for Digital Broadcasting", NHK Science and Technical Research Laboratories, The Institute of Electronics Information and Communication Engineers Technical Report of IEICE, December 16, 1994, vol. 94, No. 411, pp. 49-56.
/M.D./	T. Yoshimura, et al "Special Issue, 3-4 MPEG Systems" in "Image Information Engineering and Broadcasting Technology", Journal of Institute of Television Engineers of Japan, vol. 49, No. 4, pp. 480-489, April 20, 1995.

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/M.D./	0	6	2	0	8	7	6	0	07/94	Japan			X	

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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/M.D./	4	2	0	1	0	3	1	9/94	German				

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	APPLICANT H. OWASHI, et al	
	FILING DATE February 23, 2004	GROUP 2615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	6	8	6	9	5	4						
/M.D./									11/97	Yoshinobu et al	 	 	
/M.D./									12/00	Owashi et al	386	46	
/M.D./									11/01	Owashi et al	386	83	
/M.D./									9/10/96	Haddad	725	93	8/2/94
/M.D./									3/02/99	Amanda et al.	386	101	6/7/94
/M.D./									3/00	Oakamoto et al	386	112	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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/M.D./	0	6	4	8	0	5	0	A 2	4/95	European	 	 	XX	
/M.D./	4	2	0	1	0	3	1	C 2	7/93	Germany	 	 		XX
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/M.D./	8	1	0	2	9	2	2		4/96	Japan	 	 	XX	

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/M.D./	5	8	7	8	0	1	0	3/99	Oakamoto et al	369	59	8/15/95	
/	5	2	2	4	0	8	7	6/93	Maeda et al	369	54		
/	4	9	4	5	5	6	3	7/90	Horton et al	380	5		
/	4	9	9	1	2	0	8	2/91	Walker et al	380	20		
/	5	0	4	6	0	9	2	9/91	Walker et al	380	20		
/	5	1	3	4	4	9	6	7/92	Schwab et al	380	5X		
/	5	4	1	8	8	5	3	5/95	Kanota et al	380	5		
/	5	4	9	7	4	2	0	3/96	Garneau	380	20		
/	5	5	5	5	3	0	8	9/96	Levien	380	20		
/M.D./	5	7	1	9	9	4	3	2/98	Amada et al	380	49		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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/M.D./	0	6	3	2	4	4	5	1/95	Europe	/	/			
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/	5	1	7	4	4	9	6	7/93	Japan	/	/			
/	0	3	3	8	8	6	6	10/89	Europe	/	/			
/	0	4	5	0	8	4	1	10/91	Europe	/	/			
/M.D./	0	5	0	6	4	3	5	9/92	Europe	/	/			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	"Data Compression and Digital Modulation", Nikkei BP, pp. 137-150.
/M.D./	Transactions The Institute of Television Engineers of Japan, vol. 46, No. 1, pp. 31-39, 1992.
/M.D./	Little, et al "A Digital on-Demand Video Service Supporting Content-Based Queries", ACM Multimedia 93, pp. 427-436, Jul. 1993.

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EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/M.D./	5	9	0	3	7	0	4	5/99	Owashi et al	386	95		
	3	7	7	3	9	7	9	11/73	Kirk, Jr. et al	348	724		
	4	5	9	1	9	2	4	5/86	Miura et al	358	330		
	4	8	0	7	0	5	5	2/89	Tsunoda et al	386	104		
	5	2	8	9	2	8	8	2/94	Silverman et al	386	97		
	5	3	1	3	3	4	2	5/94	Soda et al	360	63		
	5	3	1	9	5	0	1	6/94	Mitsubishi	386	101		
	5	3	5	9	4	2	8	10/94	Kubata et al	386	33		
	5	4	3	8	4	6	3	8/95	Nishiumi et al	386	96		
	5	5	1	9	5	4	4	5/96	Hara	386	96		
/M.D./	5	5	4	8	4	1	0	8/96	Kim et al	386	104		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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	/M.D./	0	5	8	9	4	5	9					3/94	European
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	4	2	1	9	6	1	3	92	Japan					
	5	2	0	7	5	0	7	8/93	Japan					
	0	6	1	8	6	9	5	10/94	European					
/M.D./	0	5	7	7	3	2	9	1/94	European					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	Chao, "Asynchronous Transfer Mode Packet Video Transmission System", Optical Engineering, vol. 28, No. 7, July 1989, pp. 781-788.
/M.D./	Riemann, "DER MPEG-2-Standard, vol. 48, No. 10, Oct. 1994, pp. 545-550.
/M.D./	International Organization for Standardization Organization Internationale De Normalization ISO/IEC JTC/SC29/WG11 coding of Moving Pictures and Associated Audio, March 1992, pp. 35-39.

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/M.D./	5	5	7	2	2	3	3	11/96	Yu	386	95		
/M.D./	4	7	0	6	1	2	1	11/87	Young	358	142		
/M.D./	4	9	7	7	4	5	5	12/90	Young	358	142		
/M.D./	5	1	5	1	7	8	9	9/92	Young	358	194.1		
/M.D./	5	4	7	9	2	6	8	12/95	Young et al	358	335		
/M.D./	4	7	5	1	5	7	8	6/88	Relter et al	358	183		
/M.D./	4	9	0	8	7	1	3	3/90	Levine	358	335		
/M.D./	4	9	6	3	9	9	4	10/90	Levine	358	335		
/M.D./	5	5	0	8	8	1	5	4/96	Levine	358	335		
/M.D./	5	5	6	8	2	7	2	10/96	Levine	386	48		
/M.D./	4	6	9	4	4	9	0	9/87	Harvey	380	20		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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/M.D./	0	4	8	9	3	7	5	6/92	Europe	/	/			
/M.D./	0	6	6	1	8	7	6	7/95	Europe	/	/			
/M.D./	4	3	6	0	0	6	8	12/92	Japan	/	/			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	Patent Abstract Japan, vol. 145, No. 66 (P-1003), 7 Feb. 1990 & KP 01 287857 A (Victor Company of Japan), 20 Nov. 1989 Abstract.		
/M.D./	Patent Abstract of Japan, vol. 12, No. 486 (E-695), 19 Dec. 1988 & JP 63 202286 A (Matsushita Electric Industrial) 22 Aug. 1988.		
/M.D./	Notification of European Publication Number and Information on the Application of Article 67(3) EPC and European Search Report dtd 1/15/99.		
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/M.D./	4	7	0	4	7	2	5	11/87	Harvey	380	9		
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	5	2	9	3	3	5	7	3/94	Hallenback	348	734		
	5	5	9	6	5	8	1	1/97	Saeijis et al	386	104		
	5	4	3	2	6	4	6	6/95	Nakamura et al	386	104		
	4	6	3	1	6	0	3	12/86	Ryan	360	37.1		
	4	4	9	9	5	6	8	2/85	Gremillet	369	30		
	/M.D./	5	5	6	8	4	0	3	10/96	Deiss et al	364	514	

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/M.D./	0	7	1	0	0	2	1	5/96	Europe					
/M.D./	9	4	1	8	7	7	6	8/94	PCT					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/M.D./	Grand Alliance HDTV System Specification (Draft Document) Submitted to the ACATS Technical Subgroup dated Feb. 22, 1994.
/M.D./	M. Harada, "5-3 Future View of CATV", Journal of the Institute of Television Engineers of Japan, vol. 47, No. 4; 1993, pp. 494-499.

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/M.D./	5	4	4	2	3	9	0	8/95	Hooper et al	358	86		
	5	5	6	5	9	2	4	10/96	Haskell et al	348	423		
	5	5	3	7	4	0	8	7/96	Branstad et al	370	79		
	5	4	7	7	3	9	6	12/95	Fukami et al	360	10.3		
	5	0	6	5	2	5	9	11/91	Kubota et al	386	7		
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	5	3	7	7	0	5	1	12/94	Lane et al	386	68		
	5	5	6	6	1	7	4	10/96	Sato et al	348	423		
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/M.D./	5	6	6	8	9	1	5	9	9/97	Balk et al	386	46	
/M.D./	5	4	8	8	4	0	9	1	1/96	Yuen et al	386	83	
/M.D./	5	5	2	6	1	2	7	6	6/96	Yonetani et al	386	83	
/M.D./	5	6	1	9	3	3	7	4	4/97	Naimpally	386	83	
/M.D./	5	5	3	5	2	1	6	7	7/96	Goldman et al	348	423	
/M.D./	5	4	6	7	3	4	2	11	11/95	Logston et al	370	17	
/M.D./	5	4	8	8	4	0	9	1	1/96	Yuen et al	386	83	
/M.D./	5	9	3	0	4	4	9	7	7/99	Hwang	386	83	
/M.D./	5	5	2	6	1	3	0	6	6/96	Kim	360	69	
/M.D./	5	9	0	5	8	4	4	5	5/99	Kimura et al	386	83	
/M.D./	5	5	0	2	4	9	7	3	3/96	Yamaashi et al	348	473	

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